

A Computing System Being Able to Quickly Switch between an Internal and an External Networks and a Method thereof

Abstract of the Disclosure

The invention discloses a computing system such as a computer, a Personal
5 Digital Assistant, or a mobile phone, being connected both to an internal network and an
external network and being able to quickly and safely switch therebetween without being
shut down while ensuring a physical separation between the two networks. When a user
inputs a request of switching, a switching unit will set a trigger thereof and generate a
consequent non-maskable interrupt to CPU. After receives the NMI, the CPU controls the
10 switching unit to run a switch program kept therein to back up a current status of the
system. Then the switch program backs up a current status, controls the switching unit to
interrupt all serving programs and loads the other status other than the current status to
the computing system, and finally control the switching unit to reset the trigger.